

Claims

1. Steering system for a non-railborne motor vehicle with a motor-driven steering adjustment unit (1) which controls steerable vehicle wheels and is actuated by a steering control arrangement (9) on the basis of a nominal value - actual value comparison between actual steering angle signals from an actual value transmitter (3) actuated with the steerable vehicle wheels and nominal steering angle signals from a nominal value preset unit (8, 10),
c h a r a c t e r i z e d i n t h a t
the vehicle is equipped with a system (12) for automatic braking intervention, a system for recognizing driving conditions beyond the driver's control and a preset or storage arrangement (11) with preset data for an emergency stopping manoeuvre, and that the steering adjustment unit (2) and the system (12) for automatic braking interventions in the event of driving conditions beyond the control of the driver follow the emergency preset data.
2. Steering system according to claim 1,
c h a r a c t e r i z e d i n t h a t
the preset data for the emergency stopping manoeuvre are constantly updated by means of sensors for operating and path conditions.
3. Steering system according to claim 2,
c h a r a c t e r i z e d i n t h a t
the sensor system includes means for detecting obstacles and/or other vehicles.
4. Steering system according to claim 2 or 3,
c h a r a c t e r i z e d i n t h a t
the sensor system includes a navigation system and provides data on a particular section of the path ahead.
5. Steering system according to one of claims 2 through 4,
c h a r a c t e r i z e d i n t h a t
the sensor system has means of detecting serious loss of consciousness on the part of the driver.
6. Steering system according to one of claims 1 through 5,
c h a r a c t e r i z e d i n t h a t
the preset or storage arrangement (11) becomes active if there is a break in the signal path between the steering adjustment unit (2) and the steering control arrangement (9).
7. Steering system according to one of claims 1 through 6,
c h a r a c t e r i z e d i n t h a t
the preset or storage arrangement (11) contains only command data for an emergency stopping path.

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